

10080522 .030603 #4



1 MQTCPLAFPG HVSQALGTLL FLAASLSAQN EGWDSPICTE GVSVSWG
51 TVMSCNISNA FSHVNKLRA HGQESAIFNE VAPGYFSRDG WQLQVQGGVA
101 QLVIKGARDS HAGLYMWHLV GHQRNNRQVT LEVSGAEPQS APDTGFWPVP
151 AVVTAVFVALVMFAWYR CRCSQQRREK KFFLLEPQM**K** VAALRAGAQ**Q**
201 GLSRASAELW TPDSEPTPRP LALVFKPSPL GALELLSPQP LFPYAADP*

Fig. 1



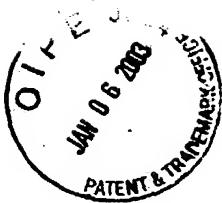
K12 promoter (1-195) and cDNA (196-2180) sequence

```

1 ATTCCCTGCTT CCTTTAGCGT GAAACGGGGT GCGGTGCCTC CCGTGAAATA
51 ATAAATTCAAC CGTCACGCTT GTTGTGAACG CGGGTGGTTC CCGAAAACCTTG
101 GAGGGCTTCCC GTAAAACCCAG CTCCCTTCCTC ATCTGGGAGG TGGGTCCCAGC
151 GCGGGTCCGC CGCCTCCTCC CTGGCCCCCTC CCTCTCGTGT CTTTCATTTC
↓
201 CCTGGGGCTC CGGGGGCGGG AGAAGCTGCA TCCCAGAGGA GCGCGTCCAG
251 GAGCGGACCC GGGAGTGTTC CAAGAGCCAG TGACAAGGAC CAGGGGCCCA
301 AGTCCCACCA GCCATGCAGA CCTGCCCCCT GGCATTCCCT GGCCACGTTT
351 CCCAGGCCCT TGGGACCCTC CTGTAAAAAAGG CTGCCTCCTT GAGTGCTCAG
401 AATGAAGGCT GGGACAGCCC CATCTGCACA GAGGGGGTAG TCTCTGTGTC
451 TTGGGGCGAG AACACCGTCA TGTCCCTGCAA CATCTCCAAC GCCTTCTCCC
501 ATGTCAACAT CAAGCTGCCT GCCCCACGGGC AGGAGAGCGC CATCTTCATT
551 GAGGTGGCTC CAGGCTACTT CTCCCCGGGAC GGCTGGCAGC TCCAGGTTCA
601 GGGAGGGCTG GCACAGCTGG TGATCAAAGG CGCCCGGGAC TCCCATGCTG
651 GGCTGTACAT GTGGCACCTC GTGGGACACC AGAGAAATAA CAGACAAGTC
701 ACGCTGGAGG TTTCAGGTGC AGAACCCAG TCCGCCCCCTG ACACTGGTT
751 CTGGCCTGTG CCAGCGGTGG TCACTGCTGT CTTCATCCTC TTGGTGCCTC
801 TGGTCATGTT CGCCTGGTAC AGGTGCCGCT GTTCCCAGCA ACGCCGGGAG
851 AAGAAGTTCT TCCTCCTAGA ACCCCAGATG AAGGTCGCAG CCCTCAGAGC
901 GGGAGCCAG CAGGGCCTGA GCAGAGCCTC CGCTGAACCTG TGGACCCAG
951 ACTCCGAGCC CACCCCAAGG CCGCTGGCAC TGGTGTCAA ACCCTCACCA
1001 CTTGGAGCCC TGGAGCTGCT GTCCCCCCCCA ACCCTTGTTT CCATATGCCG
1051 CAGACCCATA GCCGCCTGCA AGGCAGAGAG GACACAGGAG AGCCAGCCCT
1101 GAGTGCCGAC CTTGGGTGGC GGGGCCTGGG TCTCTCGTCC CACCCGGAGG
1151 GCACAGACAC CGGCTTGCTT GGCAGGGCTGG GCCTCTGTGT CACCCACTCC

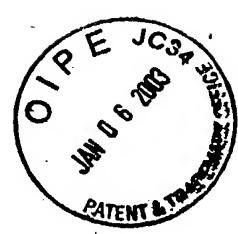
```

Fig.2A



1201 TGGGTGCGTG CAGACCCCTTC CCCTCCACCC CCCAGGTCTT CCAAGCTCTG
 1251 CTTCCCTCAGT TTCCAAATG GAACCACCTC ACCTCCGCAG CACCCGACTT
 1301 ACCAGGGACGC ATGCCCTCTCC CTCTGCCCTC ATCAAACCCA CAGACCCGGA
 1351 CTCCCTTTCT GCCACCCCAG GCTGGTCCGG CCCCAGGTGT GGGGTCCGCT
 1401 CTCTCCACTC CCAGGGCTCC GCGCCCAAGT GAGGGGGCCC CTGCCGGAGC
 1451 CTCAGACACA CTGGAGTTCA GGGCTGGGGG GGCCTTGGCA CATACTGTC
 1501 CCTTGGCTAT GAGCAGGCTT TGGGGGCCCT TCCGCGGCAG CCCCGGGGGC
 1551 CGAGGTAGGG TCTGGGGGCT TAGAGGCTGG GATGGCTCCT GGCCCCACCG
 1601 CCAGGGGGCA AGCGCAGGCC GGGCTGGGAG GCGGCGGCAG CGGCTCGGGC
 1651 TGGGGGGTCA GGTGGACGCT GCCTCCGGGG CTGGTCGCAG ATCCCTCAGT
 1701 CCCTCGGCCA CCCGGGGGTC GCTCCCTCGT GCCCACCGCA CCTGCCGAGC
 1751 CTCTTGGAC CCAGATCTGT TCATGCTTT GTCTTCGTCA CTGCGGGGGG
 1801 GCCCTTGAT GTCTTCATCT GTATGGGTG GAAATAATCAC CGGGAATCCC
 1851 CCTTCAGTTC TTTGAAAAAG TTCCATGACT CGAATATCTG AAATGAAGAA
 1901 AACAAACCGA CTCACAAACC TCCAAGTAGC TCCAAATGCA ATTGTTAAAA
 1951 TGGAAAACAA AAATCTGAAA GAAACGTCTT TAGTGGCTTT AAGCCCCAAA
 2001 ACGTCCCTAA GGCGTCCTCG AGATGAAGAC GGGGGGGAGC CCCAGCCAGG
 2051 TGGAGACCCC GCAGGACGCG GCGGCGCCCG GTGACCGAGG CCTCGCACAG
 2101 CCGGCCGCC TGAGGGTCGG GCCGAGCCAG GGTCCAAGAG GGGCGCGTTT
 2151 GTGTCTCGGG TTAAAATAAG GTTCCGTCCG

Fig.2B



Jurkáč CEM BL2 Meg-01 HTR29 OVC HEL K562 Hu178
Jurkáč CEM BL2 Meg-01 HTR29 OVC HEL K562 Hu178

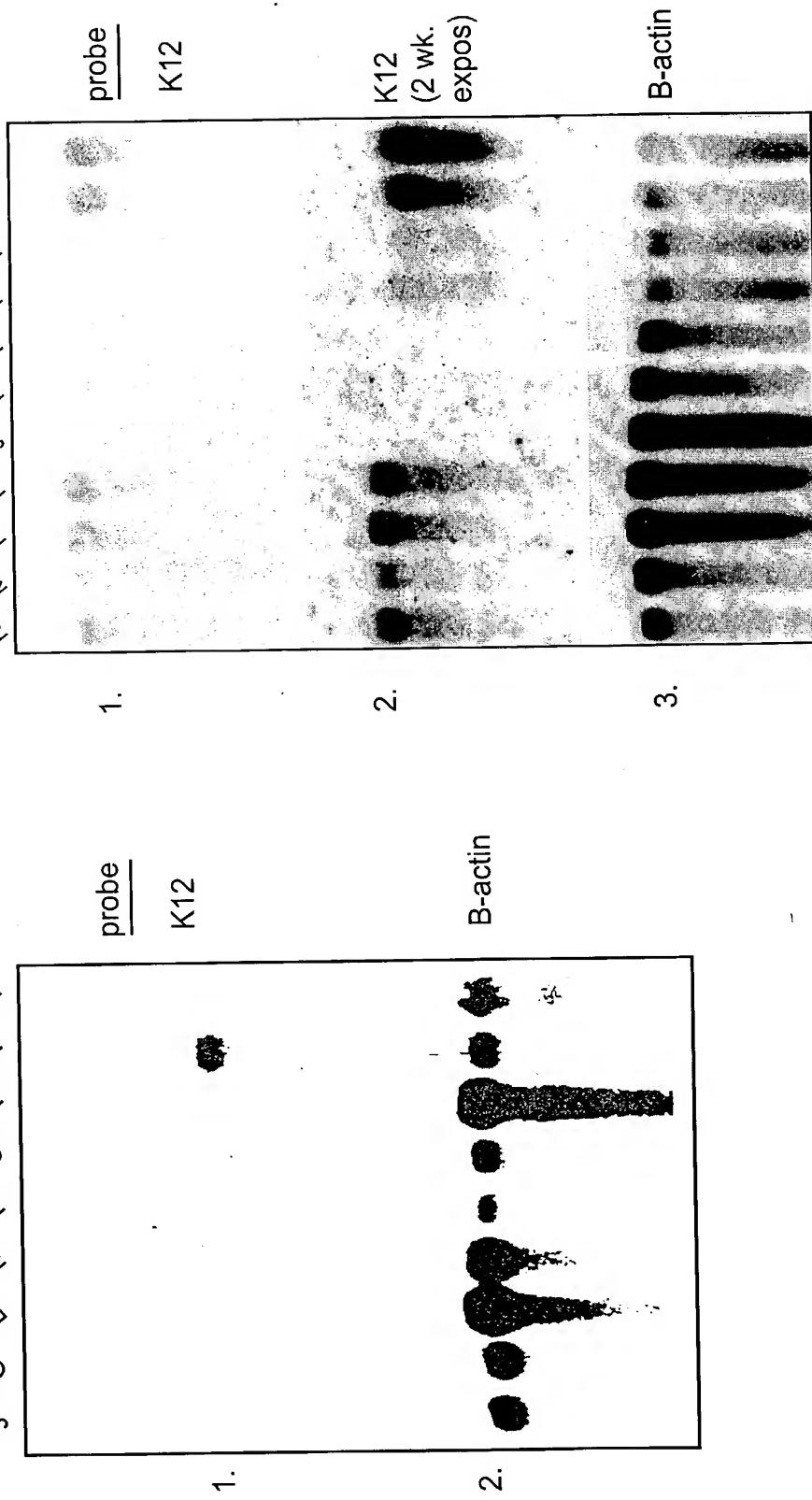


Fig.3A

Fig.3B

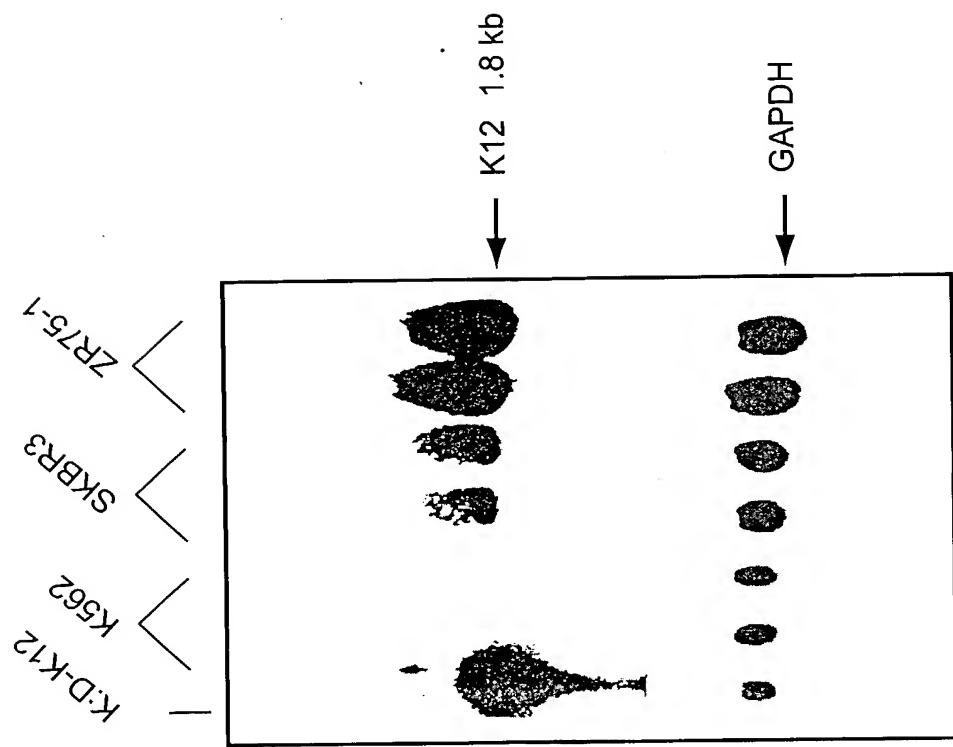
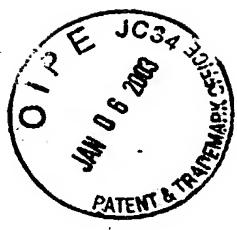


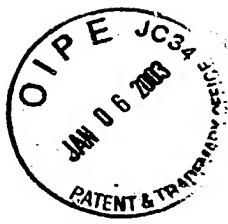
Fig.3D



1.8 kb →

Fig.3C

100005222 010603



1 2 3 4 5 6 7 8 9 10



Fig.4



Fig.5A



Fig.5B

20083622 030603

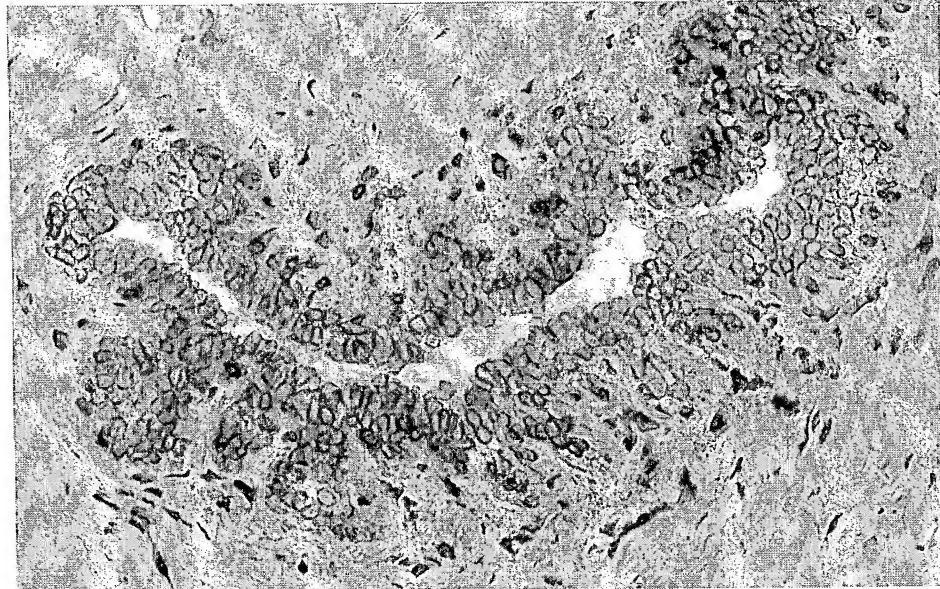


Fig.6A

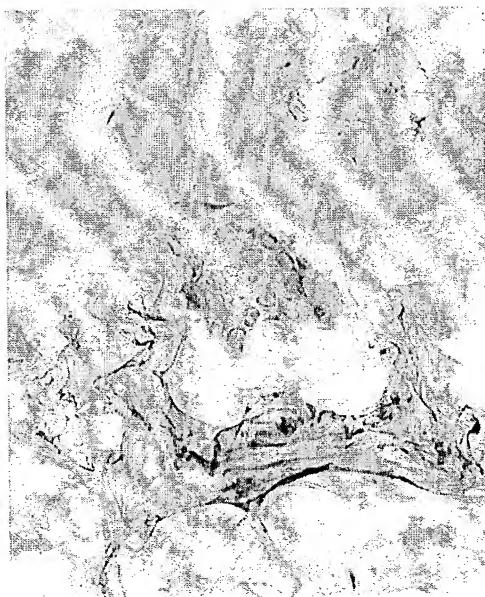


Fig.6B

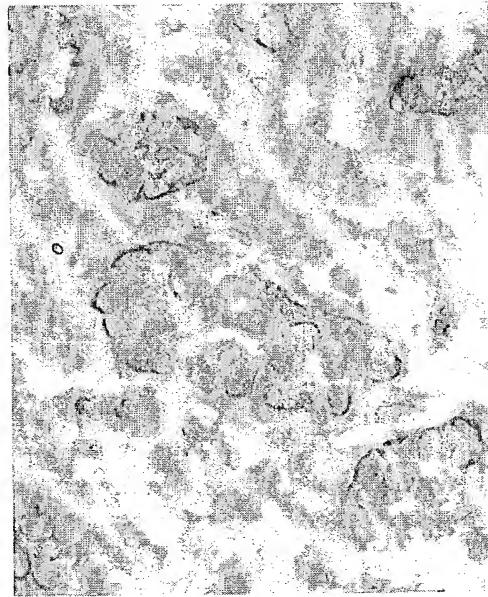


Fig.6C

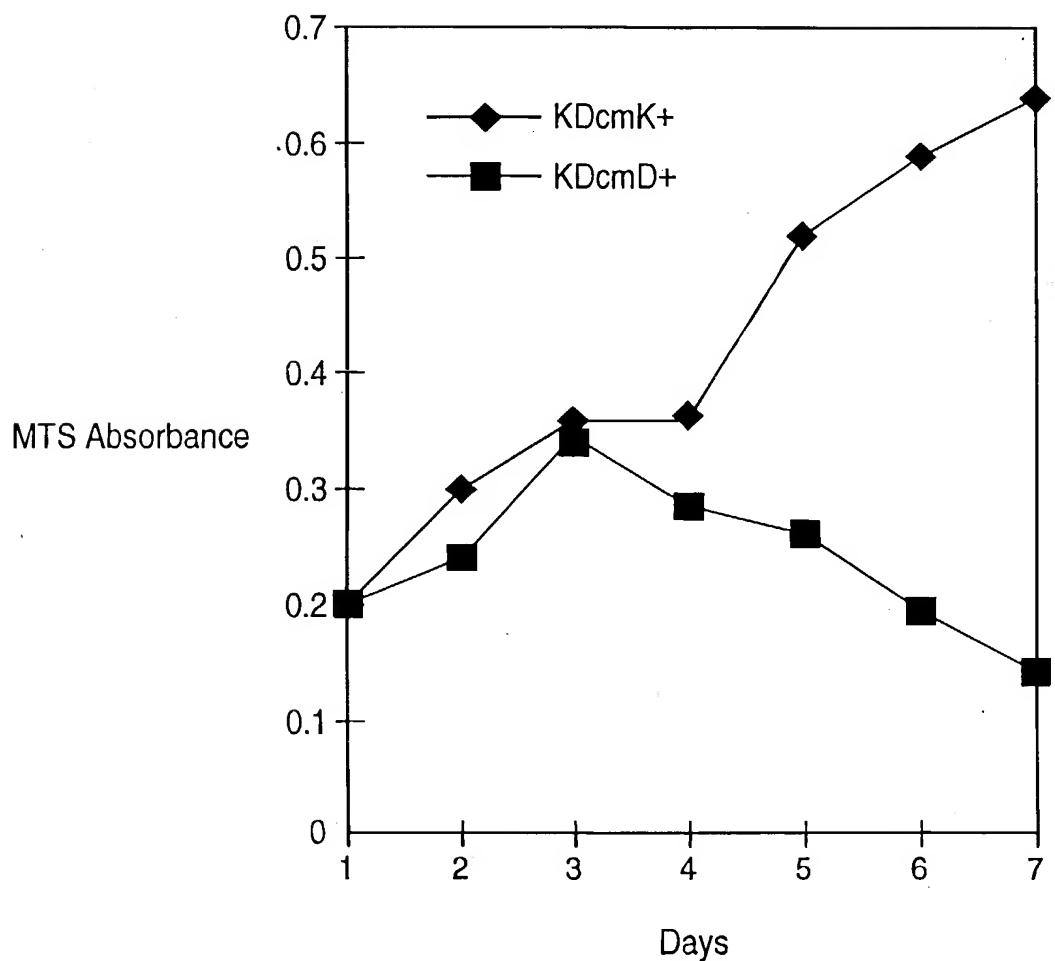
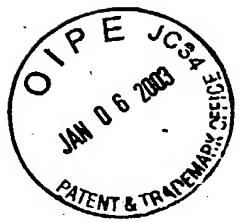


Fig. 7